IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 3, 4, 7, 8, 20 and 21, and AMEND claims 1 and 5 in accordance with the following:

1. (Currently Amended) An apparatus identifying a type of a disc, comprising:

an RF (radio frequency) amplifier amplifying light reflected by the disc;

an LPP signal detector detecting an LPP (Land Pre-Pit) signal from output signals of the RF amplifier; and

a system controller identifying a type of the disc according to whether the LPP signal is detected by the LPP signal detector,

wherein

the LPP signal detector detects the LPP signal by slicing push-pull signals output from the RF amplifier at a constant level, and

the system controller determines that the disc is a DVD(-) type disc when the LPP signal is detected and that the disc is a DVD(+) type disc when the LPP signal is not detected.

2-4. (Cancelled)

5. (Currently Amended) A method of discriminating a type of a disc, comprising:

detecting an LPP signal from signals reproduced from the disc; and

identifying a type of the disc according to whether the LPP signal is detected,

wherein

the detecting the LPP signal includes detecting the LPP signal by slicing push-pull signals at a constant level, and

the identifying of the type of the disc includes determining that the disc is a DVD(-) type disc when the LPP signal is detected and that the disc is a DVD(+) type disc when the LPP signal is not detected.

6-9. (Cancelled)

10. (Previously Presented) An apparatus identifying a disc type, comprising:

an RF amplifier that produces a push-pull signal from a light wave reproduced from a disc; and

an LPP signal detector that detects a certain voltage level in the push-pull signal;

wherein if the certain voltage level is detected the disc is identified as a DVD(-) type disc and if the certain voltage level is not detected the disc is identified as a DVD(+) type disc, and

the LPP detector detects an LPP signal according to detection of the certain voltage level by slicing the push-pull signal at a constant level.

11. (Original) The apparatus of claim 10, wherein the LPP detector detects an LPP in the push-pull signal by detection of the certain voltage level.

12. (Original) The apparatus of claim 10, further comprising:

a system controller that controls a disc drive and identifies the disc type.

13. (Original) The apparatus of claim 10, further comprising:

a servo controller that enables tracking and focusing.

14. (Original) The apparatus of claim 10, further comprising:

an optical detector that detects the light wave reflected from the disc.

15. (Original) The apparatus of claim 14, wherein the optical detector comprises:

a structure divided into four sections having a first photodiode, a second photodiode, a third photodiode, and a fourth photodiode.

16. (Original) The apparatus of claim 10, wherein the RF amplifier comprises:

a current-to-voltage converter having a first amplifier, a second amplifier, a third amplifier, and a fourth amplifier, wherein the four amplifiers convert output signals from corresponding first through fourth photodiodes of the optical detector to voltage values; and

a push-pull operator having a first adder, a second adder, and a subtracter, wherein the first adder adds output signals of the first amplifier and the second amplifier to produce a first added signal, the second adder adds output signals of the third amplifier and the fourth amplifier to produce a second added signal, and the subtracter adds the first added signal and the second added signal to produce the push-pull signal.

17. (Cancelled)

18. (Original) The apparatus of claim 10, further comprising:

an optical detector having a bi-sectional structure that includes a first photodiode and a second photodiode.

19-21. (Cancelled)